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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/534633
Filing Date	05/11/2005
First Named Inventor	Avto TAVKHELIDZE
Art Unit	
Examiner Name	
Attorney Docket Number	12091

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,169,200	02-99-1965	Huffman	
		US- 2001/046749-A1	11-29-2001	Tavkhelidze et al	
		US- 6,417,060	07-09-2002	Tavkhelidze et al	
		US- 6,720,704	04-13-2004	Tavkhelidze et al	
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FOREIGN PATENT DOCUMENTS					
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		WO99/10688 A1	03-04-1999	Edelson	
		WO 99/13562 A1	03-18-1999	Tavkhelidze et	

Examiner Signature	Date Considered
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PTO/SB/08B (08-03)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/534633
		Filing Date	05/10/2005
		First Named Inventor	Avto TAVKHELIDZE
		Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	12091	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		TAVKHELIDZE et al., "Electron tunneling through large area vacuum gap", Thermoelectrics, 2002. Proceedings ICT '02., 08-25-2002, pp435-438, Piscataway, NJ, USA	
		HISHINUMA et al., "Refrigeration by combined tunneling and thermionic emission in vacuum: Use of nanometer scale design", Appl Phys Lett, 04-23-2001, pp2572-2574, vol 78, no 1	

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